

1 **IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

2 Priority Application Serial No.....09/995,499
3 Priority Filing Date.....11/26/2001
4 Inventorship.....Yudong Yang
5 Priority ExaminerSTRANGE, AARON N
6 Priority Group Art Unit.....2153
7 Attorney's Docket No.MS1-0871USC5
8 Title: Methods and Systems for Adaptive Delivery of Multimedia Contents


9 **INFORMATION DISCLOSURE STATEMENT**

10 The citations listed are submitted in compliance with the duty of disclosure
11 defined in 37 CFR §1.56. Copies of the cited references were cited or submitted
12 with the priority application and are therefore not submitted herewith.

13 The Examiner is requested to make these citations of official record in this
14 application.

15 Respectfully Submitted,

16 Date: 1/23/06

17 By: 
18 Lance R. Sadler
19 Reg. No. 38605
20
21
22
23
24
25

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Sheet	1	of	3	Application Number	
				Filing Date	
				First Named Inventor	Yudong Yang
				Art Unit	
				Examiner Name	
				Attorney Docket Number	MS1 0871USC5

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 20010054049	12/20/2001	Maeda, Junji; et al.	
		US- 20020099829	7/25/2002	Richards et al.	
		US- 20020156807	10/24/2002	Dieberger, Andreas	
		US- 20030037076	2/20/2003	Bravery, Andrew James et al.	
		US- 20030101203	5/29/2003	Chen, Jin-Lin; et al.	
		US- 20040085341	5/6/2004	Hua, Xian-Sheng et al.	
		US- 20040086046	5/6/2004	Ma et al.	
		US- 20040088726	5/6/2004	Ma, Yu-Fei et al.	
		US- 20040187080	9/23/2004	Brooke et al.	
		US- 5537526	5/13/2003	Anderson et al.	
		US- 5704029	12/30/1997	Wright	
		US- 6,345,279	2/5/2002	Li, et al.	
		US- 6023714	2/8/2000	Hill et al.	
		US- 6300947	10/9/2001	Kanevsky	
		US- 6556217	4/29/2003	Makipaa et al.	
		US- 6564263	5/13/2003	Bergman et al.	
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number		
				Filing Date		
				First Named Inventor		Yudong Yang
				Art Unit		
				Examiner Name		
Sheet	2	of	3	Attorney Docket Number	MS1	0871USC5

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"Schema Objects", Chapter 10, Oracle 8i Concepts, Release 8.15, 1999	
		Cai et al, "Extracting Content Structure for Web Pages based on Visual Representation", ACM Transactions on Info. Sys., Vol. 20, No. 1, January 2002.	
		CHEN, JINLIN et al., "Function-based Object Model Towards Website Adaptation," (2001) Proc. of the 10th Int. WWW Conf. pp. 1-21.	
		CHRISTOPOULOS, CHARILAOS et al., "The JPEG2000 Still Image Coding System: An Overview," IEEE Transactions on Consumer Electronics, Vol. 46, No.4, pp. 1103-1127, November 2000.	
		ITTI and KOCH, "A Comparison of Feature Combination Strategies for Saliency-Based Visual Attention Systems", Proc. of SPIE HumanVision and Electronic Imaging IV (HVEI 99), San Jose, CA, Vol. 3644, pp. 473-82, Jan. 1999	
		ITTI et al., "A Model of Saliency-based Visual Attention for Rapid Scene Analysis", IEEE Trans. on Pattern Analysis and Machine Intelligence, 1998, 5 pages.	
		L. ITTI & KOCH, "Computational Modeling of Visual Attention," Nature Reviews/Neuroscience, Vol. 2, March 2001, pp. 1-11	
		LEE, KEANSUB et al., "Perception-Based Image Transcoding for Universal Multimedia Access," School of Electrical Engineering Korea University, Seoul, Korea, 2001 IEEE, pp. 475-478.	
		LIN et al., "Video Scene Extraction by Force Competition," IEEE Intl. Conference on Multimedia and Expo (ICME 001), Waseda University, Tokyo, Japan, August 22-25, 2001, 7 pages.	
		MA et al., "A Model of Motion Attention for Video Skimming," Microsoft Research Asia, 4 pages.	

Examiner Signature		Date Considered	
---------------------------	--	------------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number			
		Filing Date			
		First Named Inventor		Yudong Yang	
		Art Unit			
		Examiner Name			
Sheet	3	of	3	Attorney Docket Number	MS1 0871USC5

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Ma et al., A Framework for Adaptive Content Delivery in Heterogeneous Network Environments, January 2000, SPIE Vol 3969, Proceedings of MMCN00, San Jose, USA	
		OTOOLE et al., "Evaluation of Automatic Shot Boundary Detection on a Large Video Test Suite," School of Computer Applications and School of Electronic Engineering, Dublin City University, Glasnevin, Dublin, Ireland, Challenge of Image Retrieval, Newcastle, 1999, pp. 1-12	
		Refreshable Braille Displays, 11 March 2000, retrieved from the Internet 10/26/05: http://web.archive.org/web/200000311151437/http://www.deafblind.com/display.html , pp. 1-2	
		SMITH and KANADE, "Video Skimming and Characterization through the Combination of Image and Language Understanding Techniques," Proc. of Computer Vision and Pattern Recognition, 1997 IEEE, pp. 775-781	
		Visually Impaired, 22 August 2002, retrieved from the Internet 10/26/05: http://web.archive.org/web/20020822193408/http://linusdocs.org/HOWTOs/Access-HOWTO-3.html , pp. 1-6	
		YU-MEI et al., "A New Perceived Motion Based Shot Content Representation", Microsoft Research China, 4 pages.	
		Zhang, Adaptive Content Delivery: A New Application Area for Media Computing Research, January 2000, Available at http://research.microsoft.com/china/papers/Adaptive_Content_Delivery.pdf	

Examiner Signature		Date Considered	
---------------------------	--	------------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.